INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016201

A. CLASSIFI	ICATION OF SUBJECT MATTER		
Int.Cl	_ ⁷ B01D24/46		
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum docu Int.Cl	mentation searched (classification system followed by c 7 B01D24/46, B65G33/32, F16C17	classification symbols) 7/08	
Jitsuyo Kokai J		oroku Jitsuyo Shinan Koho itsuyo Shinan Toroku Koho	1994-2004 1996-2004
C. DOCUME	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
Y	WO 2003/043715 A1 (Nippon Go Kaisha), 30 May, 2003 (30.05.03), Description, page 17, lines & JP 2004-121885 A & EF		1-6
Y	JP 10-128732 A (Jidosha Seiko Kabushiki Kaisha), 19 May, 1998 (19.05.98), Par Nos. [0041], [0047]; Fig. 1 (Family: none)		1-6
Y	JP 58-186409 A (Anthony S. C 31 October, 1983 (31.10.83), Claim 12 & US 4330401 A & FR & DE 3212398 A	Canzoneri),	6
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 10 December, 2004 (10.12.04)		Date of mailing of the international search report 28 December, 2004 (28.12.04)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No. Telephone No.			
ロロロ としょわりみんろし	LOSCOBIO STREELI CIATHATY ZUDA)		